

## **AIR COOLER CLEANER**

### **APPLICATION**

Cleaning of air coolers on diesel engines, when in service. Dismantled air cooler may be cleaned by soaking in a tank containing ACC, or by brushing or hand spraying. In-situ cleaning may be accomplished by using a pressure pump and a hand lance through the air trunk access door with drain to the pump suction. The hand lance should be fitted with a nozzle or perforated (following the manufacturer's instructions on in-service cleaning) using a 33% solution of Air Cooler Cleaner if the engine is equipped with a dosing pot. Dosage is 2.5 - 3 litres (30%) solution per cooler every 24 hours, or amount and frequency may be adjusted as needed, depending on conditions.

### **TURBOCHARGERS**

Both air side and exhaust side of turbochargers may be cleaned when dismantled by soaking, brushing or hand spraying of Air Cooler Cleaner allowing sufficient soaking time.

### **AIR SIDE**

Inject a 33% solution of Air Cooler Cleaner (1 part ACC to 2 parts of water) using the dosing pot supplied by the manufacturer, which is connected to the turbocharger. The use of this pot keeps the quantity of cleaning solution under strict control to prevent damage to the turbocharger or engine.

The quantity of Air Cooler Cleaner Solution used should be in accordance with the volume of cleaning water recommended by the engine manufacturer of the turbocharger being cleaned. The injection of ACC 33% solution should be done while the engine is aerating a full load. The total amount of the solution should be injected into the blower within 4 to 10 minutes.

After the injection of ACC solution a fresh water rinse should be performed using the same procedure and quantities of water. The effect of the cleaning operation will show in the increase of supercharging or scavenging pressure and by the normalisation of other temperatures to their rated values.

### **EXHAUST SIDE**

Reduce maximum rpm, and inject a 33% solution of Air Cooler Cleaner into the exhaust system prior to the protecting grids at the turbine inlet. Cleaning should be performed weekly or as needed. The injection of Air Cooler Cleaner should be made through the cleaning system supplied by the turbocharger manufacturer and the amount of cleaning solution to be injected should be in accordance with the volume of cleaning water recommended by the turbocharger manufacturer. The turbine casing should be drained during the cleaning operation.

After the cleaning operation has been performed, the turbocharger should be operated for 10 minutes at reduced speed in order to ensure thorough drying, normalisation of temperatures, etc.

### **CONTROL**

It is recommended that the pressure drop above the air cooler be registered daily. Alternatively, the temperature may be registered at the cooler exit.

### **CHEMICAL PROPERTIES**

A synergistic blend of organic solvents, halogenated hydrocarbons, emulsified wetting and dispersing agents. May have a solvent effect on certain plastic.

### **PHYSICAL PROPERTIES**

Flash Point :	Above 75°C PMCC (16°F).
Boiling Range :	200-265°C (392-509°F)
Smell :	White Spirit Like
Stability :	Infinite during normal storage
Density :	0.97 gm/cc
Appearance :	Yellowish Brown Liquid

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